

ABSTRACT

The present invention concerns a coated cemented carbide cutting tool insert particularly useful for turning of cast irons. The cutting tool insert is characterised by a cemented carbide body comprising WC, cubic carbonitrides, a W-alloyed Co binder phase, a surface zone of the cemented carbide body that is binder phase enriched and nearly free of cubic carbonitride phase, and a coating including an innermost layer of $\text{TiC}_x\text{N}_y\text{O}_z$ with equiaxed grains, a layer of $\text{TiC}_x\text{N}_y\text{O}_z$ with columnar grains and at least one layer of Al_2O_3 .